

Hanford Reach Fall Chinook Protection Program

2006-2007

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Priest Rapids Project Spawning Period operations

- Reverse Load Factor 1984-2004
- Experimental operations under HRFCPPA
 - Load following 2005
 - Peaking 2006
- Reverse Load Factor 2007

2005 Load following operations

- Initiation of spawning – Oct. 19
- 31 redds > 65 kcfs elevation – Nov. 6
- Reverted to RLF – Nov. 7
- End of spawning – Nov. 20
- 98 redds > 65 kcfs elevation – Nov. 20
- 70 kcfs Critical Elevation

2006 Peaking operations

- Initiation of spawning – Oct. 25
- 43 redds > 65 kcfs elevation – Nov. 19
- End of spawning – Nov. 26
- 70 kcfs Critical Elevation

HRFCPP critical dates

- Hatching
 - Begin – Dec. 9
 - End – Feb. 23
- Emergence
 - Begin – April 4
 - End – May 20
- Rearing Period
 - Weekend protections – May 1
 - End – June 20

Emergence and Rearing Period operations - 2007

- Mean PRD discharge = 171.7 kcfs
- Mean Daily Delta = 38.2 kcfs
- Number of exceedances = 4
- Maximum exceedance = 2.9 kcfs
- Criteria distribution
 - 40 kcfs = 5
 - 60 kcfs = 42
 - 150 kcfs min = 21

2006-2007 Conclusions

- Spawning Period
 - Peaking operations have potential
- Pre & Post Hatch Periods
 - Continued high level of protection
- Emergence & Rearing Period
 - Dramatic improvement over previous years
 - Met protection criteria 94% of time
 - Maximum exceedance of 2.9 kcfs

2007 RLF operations

- Initiation of spawning – Oct. 24
- End of spawning – Nov. 18
- 0 redds > 65 kcfs elevation
- 55 kcfs Critical Elevation